PTO/SB/08A (08-03)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE uses the Paperwork Reduction act of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 . of 1

Complete if Known					
Application Number	10/706,425				
Filing Date	November 12, 2003				
First Named Inventor	Joseph J. Kubler et al.				
Group Art Unit	2661				
Examiner Name	David Robert Vincent				
Attorney Docket No.	14364US11				

			U.S. PATENT DO	CUMENTS	
Examiner Initial*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code 2  (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/BZ/	A1	4,553,081	11-12-1985	Koenck	
/BZ/	A2	4,716,354	12-29-1987	Hacker	
/BZ/	A3	4,961,043	10-02-1990	Koenck	
/BZ/	A4	5,260,988	11-09-1993	Schellinger et al.	
/BZ/	A5	5,371,898	12-06-1994	Grube et al.	
/BZ/	A6	5,420,911	05-30-1995	Dahlin et al.	
/BZ/	A7	5,452,289	09-19-1995	Sharma et al.	
/BZ/	A8	5,533,019	07-02-1996	Jayapalan	
/BZ/	A9	5,546,077	10-08-1996	Obayashi et al.	
/BZ/	A10	5,594,782	01-14-1997	Zicker et al.	
/BZ/	A11	5,610,910	03-11-1997	Focsaneanu et al.	
/BZ/	A12	5,654,957	08-05-1997	Koyama	
/BZ/	A13	5,754,542	05-19-1998	Ault et al.	
7BZ/	A14	5,764,736	06-09-1998	Shachar et al.	
/BZ/	A15	5,777,991	07-07-1998	Adachi et al.	

	FOREIGN PATENT DOCUMENTS									
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	76				
Initials*	No. 1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	<b>'</b>				
/BZ/	B1	PCT/WO91/08629	06-13-1991	Berken						
		,			"					

		OTHER ART NON PATENT LITERATURE DOCUMENTS
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

EXAMINER	/D = 11:: 7:: /	DATE CONSIDERED	0.4/00/0007
SIGNATURE	/Bo Hui Zhu/		04/20/2007

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>1</sup>See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>3</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. <sup>4</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1800-786-9199) and select option 2.

Approved for use through 09/30/2008. OMB 0651-0031 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OWB control number.

ostitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Complete If Known					
Application Number	10/706,425				
Filing Date	November 12, 2003	_			
First Named Inventor	Joseph J. Kubler				
Art Unit	2662				
Examiner Name	Not yet assigned				
Attorney Docket Number	14364US11				

	U.S. PATENT DOCUMENTS								
Examiner Initials *	Cite No.1	Document Number  Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
/BZ/		8,850,510	February, 2005	Kubler et al.	T geros r open				
/BZ/		5,506,847	April, 1996	Shobatake					
/BZ/		5,650,994	July, 1997	Daley					
/BZ/		5,745,556	April, 1998	Ronen					
/BZ/		5,842,224	November, 1998	Fenner					
/BZ/		6,108,704	August, 2000	Hutton et al.					
/BZ/		6,131,121	October, 2000	Mattaway et al.					
/BZ/		6,389,010	May, 2002	Kubler et al.					
/BZ/		5,818,836	October, 1998	DuVal					
/BZ/		5,850,385	October, 1998	Esaki					
/BZ/		5,737,395	April, 1998	. Imbarren					
/BZ/		5,608,786	March, 1997	Gordon					
/BZ/		5,726,984	March, 1998	Kubler et al.					
/BZ/		4,789,983	December, 1988	Acampora et al.					
/BZ/		5,359,598	October, 1994	Steagall et al.					
/BZ/		5,434,858	July, 1995	Focarile et al.					
/BZ/		5,446,736	August, 1995	Gleeson et al.					
/BZ/	1	4,837,858	June, 1989	Ablay et al.					
/BZ/		5,425,051	June, 1995	Mahany et al.					
/BZ/		5,295,154	March, 1994	Meier et al.					
/BZ/		4,538,259	August, 1985	Moore et al.					
/BZ/		5,142,534	August, 1992	Simpson et al.					

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>©</sup>			
				· · · · · · · · · · · · · · · · · · ·					
				-					

Examiner Signature	/Bo Hui Zhu/	Date Considered	04/20/2007
-----------------------	--------------	--------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Here Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. Applicant is to place a check mark here if English language Translation is attached.

Transition is attached.
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid ONB control number

Substitute	for form 1449	B/PTO		Complete if Known				
INFORMATION BIGGI COURT		Application Number	10/706,425					
				Filing Date	November 12, 2003			
STAT	EMEN"	T BY A	PPLICANT	First Named Inventor	Joseph J. Kubler			
				Art Unit	2662			
	(Use as mai	ny sheets as	necessary)	Examiner Name	Not yet assigned			
Sheet	2	of	2	Attorney Docket Number	14364US11			
	INFO STAT	INFORMATION STATEMENT (Use as mail	STATEMENT BY A (Use as many sheets as	INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use as many sheets as necessary)	INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use as many sheets as necessary)  Application Number Filling Date First Named Inventor Art Unit Examiner Name	INFORMATION DISCLOSURE STATEMENT BY APPLICANT  Application Number 10/706,425  Filing Date November 12, 2003  First Named Inventor Joseph J. Kubler  Art Unit 2662  Examiner Name Not yet assigned		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
/BZ/		Black, Uyless, ATM Volume I, Prentice Hall, 1995, PP: 244-245	
		·	

Examiner Signature	/Bo Hui Zhu/	Date Considered	04/20/2007	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application from to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

C				Complete If Known		
Substitute for	form 1449A/PTO			Application Number	10/706,425	
1	NEORMATI	ON DISCLOSU	IRE	Filing Date	November 12, 2003	
			First Named Inventor	Joseph J. Kubler et al.		
3	DIAIEMEN	T BY APPLICA	MA I.	Group Art Unit	2661	
				Examiner Name	David Robert Vincent	
(use as many sheets as necessary)				Attorney Docket No.	14364US11	
Sheet	1	of	1	Attorney Docket No.	143040311	

U.S. PATENT DOCUMENTS						
Examiner Initial*	1 4 1 Number Med Collett   Assessment   A D. C. Collett   M. C.					
/BZ/	A10	5,295,154	03/15/1994	Meier et al.		
/BZ/	A11	5,394,436	02/28/1995	Meier et al.		

FOREIGN PATENT DOCUMENTS							
Examiner	Cite	Foreign Patent Document	Name of Patentee or	Pages, Columns, Lines,	70		
	No. 1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (If known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	<u> </u>	
/BZ/	B2	WO 94/11967	05/26/1994	Weeks			
/BZ/	B3	WO 96/05592	02/22/1996	Qualcomm			

		OTHER ART NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			
/BZ/	C3	HUANG, "Data Replication For Mobile Computers", ACM-SIGMOD, 05/1994			
/BZ/	C4	BLAZE, "Catching In Large-Scale Distributed File Systems", PhD thesis, Princeton University, 01/1993			
/BZ/	C5	IMIELINSKI et al., "Mobile Wireless Computing: Solutions And Challenges In Data Management", Dept. of Computer Science, Rutgers University, 1992			
/BZ/	C6	DOUGLAS, "Transparent Process Migration: Design Alternatives And The Sprite Implementation", Software-Practice And Experience, Vol.; 21(8), 757-785, 08/1991			
/BZ/	C7	BARTAL et al., "The Distributed k-Server Problem - A Competitive Distributed Translator for k-Server Algorithms, 1992			
/BZ/	C8	BARBARA et al., "Replicated Data Management In Mobile Environments: Anything New Under The Sun?", 10/22/1993			
/BZ/	C9	HUANG et al., "Object Allocation In Distributed Databases And Mobile Computers", 02/1994			

EXAMINER SIGNATURE	/Bo Hui Zhu/	DATE CONSIDERED	04/20/2007

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Benter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1800-786-9199) and select option 2.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

				Complete if Known		
Substitute for	form 1449A/PTO			Application Number	10/706,425	
1	NEORMATIC	ON DISCLOS	JRE	Filing Date	November 12, 2003	
_				First Named Inventor	Joseph J. Kubler et al.	
•	SIAIEMEN	TBY APPLICA	ANI	Group Art Unit	2661	
				Examiner Name	David Robert Vincent	
(use as many sheets as necessary)				Attorney Docket No.	14364US11	
Sheet	1	of	1	Attorney Docket No.	143040311	

		OTHER ART NON PATENT LITERATURE DOCUMENTS
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, joumal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
/BZ/	C1	Amended Preliminary Invalidity Contentions with Exhibit E, 02/21/2006
/BZ/	C2	KOYAMA et al., "Personal Multimedia Communication Systems", 44(4), Hitachi Review 207, Hitachi, Ltd., 08/1995
	ļ	
	1	

EVALUED		 DATE CONSIDERED	
EXAMINER	/Da Hui Zhu/	DATE CONSIDERED	04/20/2007
SIGNATURE	/Bo Hui Zhu/		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'I Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gethering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1800-786-9199) and select option 2.